

II. AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) An interactive alarm clock comprising:

a system for allowing a user to designate a plurality of distinct alarm signals concurrently;
and

a snooze mechanism for deactivating a first user designated alarm signal and
automatically activating a second user designated alarm signal after a predetermined time.

2. (Currently Amended) The alarm clock of claim 1, wherein the user is allowed to designate the plurality of distinct alarm signals such that each successive activation of the snooze mechanism results in a new user designated alarm signal.

3. (Currently Amended) The alarm clock of claim 1, wherein the system for allowing the user to designate the plurality of distinct alarm signals comprises a volume system for allowing the user to designate a plurality of volume levels concurrently for the alarm signals, and wherein the first alarm signal has a different user designated volume level than the second alarm signal.

4. (Currently Amended) The alarm clock of claim 1, wherein the system for allowing the user to designate the plurality of distinct alarm signals comprises a type selection system for allowing the user to designate a plurality of alarm types concurrently for the alarm signals, and wherein the first alarm signal is a different user designated alarm type than the second alarm signal.

5. (Original) The alarm clock of claim 4, wherein the alarm type is selected from the group consisting of audio, buzzer and visual.

6. (Currently Amended) The system of claim 1, wherein the system for allowing the user to designate the plurality of distinct alarm signals comprises a harmonic system for allowing the user to designate a plurality of alarm signal harmonics concurrently for the alarm signals, and wherein the first alarm signal has different user designated alarm signal harmonics than the second alarm signal.

7. (Currently Amended) The alarm clock of claim 1, further comprising a time system for allowing the user to designate ~~designating~~ a plurality of predetermined snooze times concurrently.

8. (Previously Presented) The alarm clock of claim 1, further comprising a motion detection system for allowing the user to designate a motion detection period, wherein an alarm function of the alarm clock is disabled if no motion is detected proximate the alarm clock during the motion detection period.

9. (Original) The alarm clock of claim 8, further comprising a positionable motion detector for detecting motion proximate the alarm clock.

10. (Previously Presented) The alarm clock of claim 1, further comprising a limit system for allowing the user to designate a maximum snooze quantity, wherein the first alarm signal will not be deactivated if the maximum snooze quantity is matched.

11. (Currently Amended) An interactive alarm clock, comprising:

a volume system for allowing a user to designate a plurality of distinct volume levels concurrently for successive alarm signals; and

a snooze mechanism for deactivating a first alarm signal having a first user designated volume level and automatically activating a second alarm signal having a second user designated volume level after a predetermined time.

12. (Previously Presented) The alarm clock of claim 11, wherein each successive activation of the snooze mechanism results in a new alarm signal having a higher user designated volume level.

13. (Currently Amended) The alarm clock of claim 11, further comprising,

a time system for designating a plurality of predetermined snooze times concurrently;

a limit system for allowing the user to designate a maximum snooze quantity;

a type selection system for allowing the user to designate an alarm type;
a harmonic system for allowing the user to designate a plurality of alarm signal harmonics concurrently; and
a motion detection system for allowing the user to designate a motion detection period, wherein an alarm function of the alarm clock is disabled if no motion is detected proximate the alarm clock during the motion detection period.

14. (Original) The alarm clock of claim 13, further comprising a positionable motion detector for detecting motion proximate the alarm clock.

15. (Currently Amended) A method for operating an alarm clock, comprising:

allowing a user to designate a plurality of distinct alarm signals concurrently; and
deactivating a first user designated alarm signal and automatically activating a second user designated alarm signal after a predetermined time.

16. (Previously Presented) The method of claim 15, wherein the first alarm signal has a different user designated volume level than the second alarm signal.

17. (Previously Presented) The method of claim 15, wherein the first alarm signal is a different user designated alarm type than the second alarm signal.

18. (Previously Presented) The method of claim 15, wherein the first alarm signal has different user designated alarm signal harmonics than the second alarm signal.

19. (Currently Amended) The method of claim 15, further comprising:

designating a plurality of predetermined snooze times concurrently;

allowing the user to designate a maximum snooze quantity, wherein the first alarm signal will not be deactivated if the maximum snooze quantity is matched; and

allowing the user to designate a motion detection period and disabling an alarm function of the alarm clock if no motion is detected proximate the alarm clock during the designated period.

20. Canceled

21. Canceled

22. Canceled

23. Canceled